

LOBANOV, Pavel Pavlovich, akademik; KATSNEL'SON, S.M., red.; SAVCHENKO,
16.V., tekhn.red.

[Introduce achievements of agricultural science in production]
Dostizhenia sel'skokhoziaistvennoi nauki - v proizvodstvo.
Moskva, Izd-vo "Znanie," 1959. 39 p. (Vsesoiuznoe obshchestvo
po rasprostraneniuiu politicheskikh i nauchnykh znanii. Ser.5.,
Sel'skoe khoziaistvo, no.26) (MIRA 12:9)

1. Prezident Vsesoyuznoy akademii sel'skogo khozyaystva imeni
V.I.Lenina. (for Lobanov).
(Agricultural research)

LOBANOV, P.P.

[Agricultural science in the seven-year plan] Sel'skokhoziaistven-
naia nauka v semiletke. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959.
122 p. (MIRA 13:8)

(Agriculture)

LOBANOV, P.P.

Increase the role of scientific institutions in developing animal-
culture. Zemledelie 7 no. 6:3-11 Ky '50. (MIRA 12:2)

1. Prezident Vsesoyuznogo akademii sel'skokhoz.nauk imeni V.I.
Lenina.
(Agricultural research)

LOBANOV, P.; LOZA, G.; CHIZHEVSKIY, M.; VOROB'YEV, S.; VIL'YAMS, V.;
SOBOLEV, S.; PAVLOV, G.; GARKUSHA, I.; FRANTSESSON, V.; MERSHIN, A.;
PERSHINA, M.

Vladimir Petrovich Bushinskii. Zemledelie 8 no.7:94-95 J1 '60.
(MIRA 13:9)
(Bushinskii, Vladimir Petrovich, 1885-1960)

LOBANOV, P.P.

Natural economic zones and the expansion of agriculture. Priroda
49 no.9:15-26 S '60. (MIRA 13:10)

1. Prezident Vsesoyuznyy akademii sel'skokhozyaystvennykh nauk imeni
V.I.Lenina.

(Agriculture)

LOBANOV, Pavel Pavlovich; GLAZUNOVA, N.I., red.; SAVCHEKKO, Ye.V., tekhn.
red.

[Contribution of agricultural research to practice] Sel'skokho-
ziasistvennaia nauka - praktike. Moskva, Izd-vo "Znanie," Vses.
ob-va po raspr. polit. i nauchn.znani, 1961. 36 p. (Narodnyi
universitet kul'tury; Sel'skokhoziasistvennyi fakul'tet, no.2)
(MIRA 14:5)

(Agriculture)

NESMEYANOV, A.N., akad.; KAIROV, I.; PAVLOV, Todor, akad.; LOBANOV, P.,
akad.

To the youth. Nauka i tekhnolozhiya no.7:1-2 '57.

1. Predsedatel na Akademiata na naukite na SSSR (for Nesmeyanov).
2. Predsedatel na Akademiata na pedagogicheskite nauki v RSFSR (for Kairov).
3. Predsedatel na Bulgarskata akademiia na naukite (for Pavlov).
4. Predsedatel na Akademiata na sel'skostopanskite nauki "V.I. Lenin" (for Lobanov).

LOBANOV, S.

How to prolong the life of the distributor of the standard
hydraulic system. Tekh. v sel'khoz. 20 no.7:50 J1 '60.
(MIRA 13:9)

1. Altayskiy sel'skokhozyaystvennyy institut.
(Tractors--Hydraulic equipment)

BRYNSKIY, A.; LOBANOV. S.

Public inspection of savings banks and aid committees.- Fin.SSSR 22
no.5:63-64 My '61. (MIRA 14:5)

1. Nachal'nik upravleniya sberkass Tyumenskoy oblasti (for Brynskiy).
2. Nachal'nik operativnogo otdela upravleniya sberkass Tyumenskoy oblasti (for Lobanov).
(Tyumen' Province--Savings banks)

LOBANOV, S.D.

Teratoma of the pineal gland. Zdrav. Kazakh. 21 no. 4:81-83 '61.
(MIRA 14:4)

1. Iz patologoanatomicheskogo otdeleniya 2-y Alma-Atinskoy gorodskoy
klinicheskoy bol'nitsy (glavnyy vrach - S.A. Kulebekov).
(PINEAL BODY--TUMORS)

LOBANOV, S.D.

Tumor-like form of lymphogranulomatosis. Zdrav. kazakh.
21 no.12:53-55 '61. (MIRA 15:3)

1. Iz patologoanatomicheskogo otdeleniya 2 klinicheskoy
bol'nitsy g. Alma-Aty.
(HODGKIN'S DISEASE)

RUDKOVSKAYA, Ye.V.; LOBANOV, S.D.

Case of visceral moniliasis. Zdrav. Kazakh. 22 no.8:69-73'62
(MIRA 17:4)

1. Iz kafedry terapii fakul'teta usovershenstvovaniya vrachev
(zav. - dotsent N.A. Tiomo) Kazakhskogo meditsinskogo instituta
i patologoanatomicheskogo otdeleniya klinicheskoy bol'nitsy
No.2 Alma-Aty.

- 1, LOBANOV, S. P. Eng.
2. USSR (600)
4. Peat Industry
7. Measures against the freezing of peat deposits and methods for removing the frozen layer in bottom peat production areas. Trf. prom. 29 no. 10. '52.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

ALEKSEYEV, Ye.T.; APENCHENKO, S.S.; BASOV, A.P.; BAUSIN, A.F.; BERSHADSKIY, L.S.;
VELLER, M.A.; GINZBURG L.N.; GUSEV, S.A.; DANILOV, G.V.; DOLGIKH, M.S.;
DRUZHININ, N.N.; YEFIMOV, V.S.; ZAVADSKIY, N.V.; IVASHECHKIN, N.V.;
KARAKIN, F.F.; KUZHMAN, G.I.; LOBANOV, S.P.; MERKULOV, Ya.V.; NIKODIMOV,
P.I.; PANKRATOV, N.S.; PYATAKOV, L.V.; RODICHEV, A.F.; SMIRNOV, M.S.;
STRUKOV, B.I.; SAVOCHKIN, S.M.; SAMSONOV, N.N.; SINITSYN, N.A.; SOKOLOV,
A.A.; SOLOPOV, S.G.; CHELYSHEV, S.G.; SHCHEPKIN, A.Ye.

Fedor Nikolaevich Krylov; obituary. Torf. prom. 35 no.6:32 '58.
(MIRA 11:10)
(Krylov, Fedor Nikolaevich, 1903-1958)

KOCHETKOVA, Valentina Alekseyevna, kand. sel'khoz. nauk; LOBANOV,
Semen Semenovich, kand. sel'khoz. nauk; TATARINOV, Anatoliiy
Nikolayevich, kand. sel'khoz. nauk; KOSTENETSKAYA, M.,
red.; ISUPOVA, N., tekhn. red.

[Backyard orchard]Sad u doma. Simferopol', Krymizdat, 1962.
148 p. (MIRA 15:9)

(Crimea--Fruit culture)

URMAYEV, N.A.; LOBANOV, T.A., redaktor; SHAMAROVA, T.A., redaktor; KUZ'MIN, G.M., tekhnicheskii redaktor.

[Theory of homographic transformation and its application to mathematical cartography and map compilation] Teoriia gomograficheskogo preobrazovaniia i ee primeneniie k matematicheskoi kartografii i sostavleniiu kart. Moskva, Izd-vo geodezicheskoi lit-ry, 1956. 74 p. (Moscow. Tsentral'nyi nauchno-issledovatel'skii institut geodezii, aeres'emki i kartografii, Trudy no.113). (MIRA 9:7)
(Substitutions, Linear) (Cartography)

ZATONSKIY, A.S.; TARNOPOL'SKIY, G.M.; LARIONENKO, N.A.; OSTROUMOV, A.V.;
ZAKHAR'YANTS, V.N.; YAKOVLEV, G.P.; LOBANOV, T.F.; KUZNETSOV, P.T.;
MERKULOV, A.I.

Maximum satisfaction of the needs of the population is the most important duty of communication workers. Vest.sviazi 14 no.2:23-25 P '54.
(MLRA 7:5)

1. Nachal'nik otdela pochtovoy svyazi (for Zatenskiy). 2. Nachal'nik otdela vnutrirayonnoy svyazi (for Tarnopol'skiy). 3. Zamestitel' nachal'nika telefonno-telegrafnogo otdela (Larionenko). 4. Nachal'nik telegrafa (for Ostroumov). 5. Nachal'nik pochtamta (for Zakhar'yants). 6. Nachal'nik mezhdugorednoy telefonnoy stantsii (for Yakovlev). 7. Glavnyy inzhener oblastnogo upravleniya svyazi (for Lobanov). 8. Zamestitel' nachal'nika oblastnogo upravleniya svyazi (Kuznetsov). 9. Nachal'nik oblastnogo upravleniya svyazi (for Merkulov).
(Telecommunication)

USSR/Miscellaneous - Efficiency

Card 1/1 Pub, 133 - 8/19

Authors : Mazhaev, F. T., Chief, Saratov Regional Communications Office; and
 Lobanov, T. F., Chief, Bashkirian Republic Communications Department
Title : The experience of progressive organization group workers should serve
 as an example for all communication workers

Periodical : Vest. svyazi 1, 17 - 19, Jan 1955

Abstract : The following two articles are included under this title: the first
 deals with the success attained by the Saratov Regional Communication
 office in exceeding the 1954 program including the liquidation of sur-
 plus stocks; and the second gives information on the progress of rural
 radiofication in the various districts of the Bashkirian Republic, where
 the program for 1954 was exceeded in the first 10 months. The above
 articles, are intended to serve as an example to be followed by other
 communication organizations.

Institution:

Submitted:

USSR/ Miscellaneous - Rural radiofication

Card 1/1 Pub. 133 - 9/19

Authors : Lobanov, T. F., Chief of the Department of Communications of the
 Republic of Bashkiria

Title : The utilization of all possible means for intensification of rural
 radiofication

Periodical : Vest. svyazi 1, page 19, Jan 1955

Abstract : Information is given on the intensive work of the radio-communications
 specialists of the Republic of Bashkiria, who exceeded the radiofication
 program for 1954 by installing 26 new radio centers, together with 500
 kilometers of new lines, in addition to the radiofication of 24
 Kolkhozes, 2 State Farms and 18 machine and tractor stations. It is
 felt, however, that the available manpower will be insufficient to
 fulfill the 1955 plan. It is therefore suggested that the Ministry of
 Communications should train more technical personnel.

Institution:

Submitted:

LOBANOV, T.F.

The quality of telecommunication services in rural areas should be improved. Vest. svyazi 22 no.5:18-19 My '62. (MIRA 15:5)

1. Nachal'nik Bashkirskogo upravleniya svyazi.
(Bashkiria--Telephone)

LOBANOV, T.F.

For the recreation of the communication workers. Vest. svyazi 22 no. 1:
31-32 JI '62. (MIRA 15:7)

1. Nachal'nik Bashkirskogo upravleniya svyazi.
(Telecommunication--Employees)

LOBANOV, V.

Socialism is on the banner. Sov. profsoiuzy 17 no.15:36-38
Ag '61. (MIRA 14:7)
(Germany, East—Socialist competition)

LOBANOV, V., inzh.-podpolkovnik

Coupling radio-relay telephone and wire-telephone communication
channels. Voen. sviaz. 16 no.3:27-33 Mr '58. (MIRA 11:4)
(Radiotelephone) (Telephone)

9(2)

SOV/107-59-4-35/45

AUTHOR: Lobanov, V.

TITLE: A Loudspeaker Cutout Switch (Vyglyuchatel' gromkogovoriteley)

PERIODICAL: Radio, 1959, Nr 4, p 48 (USSR)

ABSTRACT: Switching a receiver from one range to the other is often accompanied by noises in the loudspeaker. Therefore, the author suggests the application of a cutout switch, disconnecting the loudspeaker during the switching operation. The contacts from a telephone relay, which are steered by a cam wheel connected to the range switch are used. There is 1 diagram.

Card 1/1

LOBANOV, V.

Important problem. Zemledelie 23 no.9:83 S '61.

(MIRA 14.12)

1. Direktor Tsentral'noy kontrol'no-semennoy laboratorii.
(Agricultural experiment stations)

LOBANOV, V.

Everything for gain and profit. Okhr. truda i sots. strakh. 4
no.10:44-45 0 61. (MIRA 14:12)
(Old age pensions)
(Insurance, Social)

DAMASKIN, B.I., doktor tekhn. nauk, prof.; LOBANOV, V.A., aspirant

Investigating the rigidity of the cogged gear drive belt of sewing machines. Nauch. study MTILP no.30:241-245 '64.

(MIRA 18:6)

1. Kafedra detaley mashin Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

LOBANOV, V.A.

Machine for cutting hinge sockets. Der. prom. 14 no.6:29 Je
'65. (MIRA 18:7)

1. Knyazhogostskiy lerevoobrabatyvayushchiy kombinat Soveta
narodnogo khozyaystva Komi ASSR.

LOBANOV, V.P., inzh.

Tabular rods for rotary hole boring. Shakht. stroi. no.10:
17-18 '58. (MIRA 11:11)

1. Gosudarstvennyy proyektno-konstruktorakiy institut po proyektirovaniyu novykh mashin i mekhanizmov dlya gornoprokhodcheskikh rabot.

(Boring--Equipment and supplies)

LOBANOV, V.F., inzh.

New cutters for rotary hole boring. Shakht.stroi. no.3:19-21
Mr '59. (MIRA 12:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut podzemshakhto-
story.

(Boring machinery)

GRASYUK, A.Z.; ZUYEV, V.S.; KOKURIN, Yu.L.; KRYUKOV, P.G.; KURBASOV, V.V.;
LOBANOV, V.F.; MOZHZHERIN, V.M.; SUKHANOVSKIY, A.N.; CHERNYKH, N.S.;
CHUVAYEV, K.K.

Optical location of the moon. Dokl. AN SSSR 154 no.6:1303-1305 F '64.
(MIRA 17:2)

1. Fizicheskiy institut im. P.N.Lobedova AN SSSR i Krymskaya astrofizicheskaya observatoriya AN SSSR. Predstavleno akademikom D.V.Skobel'tsynym.

ACCESSION NR: AP4019968

S/0020/64/154/006/1303/1305

AUTHORS: Grasyuk, A.Z.; Zuyev, V.S.; Kokurin, Yu.L.; Kryukov, P.G.;
Kurbasov, V.V.; Lobanov, V.F.; Mozhzherin, V.M.; Sukhanovsky,
A.N.; Cherny*kh, N.S.; Chuvayev, K.K.

TITLE: Optical moon ranging

SOURCE: AN SSSR. Doklady*, v. 154, no. 6, 1964, 1303-1305

TOPIC TAGS: laser, ruby laser, moon ranging, moon
light reflection, celestial ranging, optical ranging

ABSTRACT: The paper describes the preliminary results of moon ranging with a ruby laser. For the transmission and reception of the light pulses, a telescope was used with a mirror diameter of 2.6 m. (see Fig. 1 of the Enclosure). The laser used was developed by V.S. Zuyev and P.M. Kryukov and had the following parameters: wavelength 6943Å, pulse energy 50 to 70 joules, pulse duration 2 μsec, diameter of the beam 11 mm., and divergence 3'. By taking into consideration the light scattering in the atmosphere, the diameter of the spot on the moon is estimated to be 14 km. For the detection of the signal,

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ACCESSION NR: AP4019968

a photomultiplier cooled with dry ice was used. The signal to noise ratio was 0.16. Therefore, statistical treatment was necessary. The authors believe that the results prove the reality of the reflected signal. "The authors are grateful to corresp. members A. G. Basov and A. B. Severnyy, and to B. I. Belov, F. Kh. Nigmatullin of the Lebedev Phys. Institute, and to V. B. Nikonov, V. K. Prokof'ev P. P. Dobronravin, N. V. Stesheuko, and B. P. Abrazhevskiy of the Crimean Astrophysics Observatory." Orig. art. has: 1 figure..

ASSOCIATION: Fizicheskiy institut im. P.N. Lebedeva Akademii nauk SSSR (Institute of Physics, AN SSSR), Krymskaya astrofizicheskaya observatoriya akademii nauk SSSR (Crimean Astrophysics Observatory, AN SSSR)

SUBMITTED: 05Nov63

ATD PRESS: 3047

ENCL: 01

SUB CODE: EC, AA

NO REF SOV: 001

OTHER: 001

Card 2/3

L 22702-66 EWT(1)/T . IJP(c) JXT(CWW)/GW

ACC NR: AP6010439

SOURCE CODE: UR/0386/66/003/005/0219/0223

AUTHOR: Kokurin, Yu. L.; Kurbasov, V. V.; Lobanov, V. F.; Mozhzherin, V. M.; Sukhanovskiy, A. N.; Chernykh, N. S.

ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences SSSR
(Fizicheskii institut Akademii nauk SSSR)

TITLE: Measuring the distance to the moon²¹ by an optical method

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniya, v. 3, no. 5, 1966, 219-223

TOPIC TAGS: moon, moon earth distance, distance measurement, moon location, optical location, laser application

ABSTRACT: A description is given of the experimental measurement of the distance to the moon by means of an optical locator. A schematic of the locator is shown in Fig. 1. Ruby laser 1 and photomultiplier 2 are fixed rigidly in the Kude focus of telescope 3. A tunable interference filter 4 is placed in front of the photomultiplier and behind diaphragm 5. Mirror 6 can be automatically switched from receiving to transmitting operations. Photomultiplier output amplifier and pulse shaper 7 follow 2, and the measurement of the time intervals between the emission and reflection (from the moon) of laser pulses is made by

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L-22702-66

ACC NR: AP6010439

0

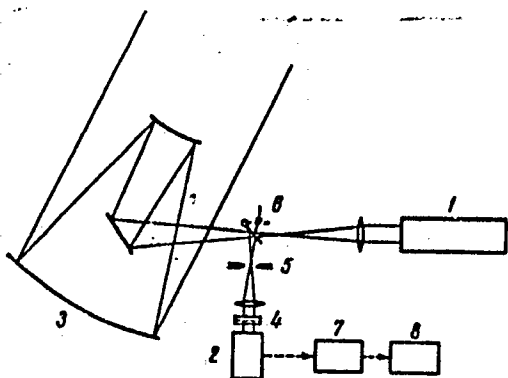


Fig. 1. Schematic of the locator

counter 8, which is activated by that portion of the laser pulse directed to the photomultiplier. The laser operated at $6943 \text{ \AA}$, with a pulse energy and duration of $5-7 \text{ j}$ and $5 \cdot 10^{-8} \text{ sec}$, respectively. The diameter of the main telescope mirror was 2.6 m and its focal length 104 m ; the beam diameter was 13 mm , and the divergence of the beam reflected from the telescope mirror was 23 sec of arc . The filter pass-band was $10 \text{ \AA}$, and the instrumental error in the measurement of time $\pm 10^{-7} \text{ sec}$. The observation of the lunar surface was confined to an area located at the bottom of the Flammarion crater with the selenographic

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L 22702-66

ACC NR: AP6010439

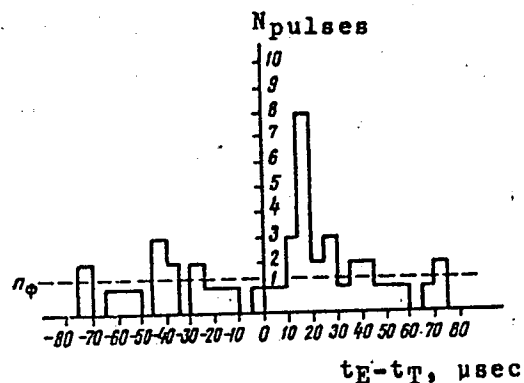


Fig. 2. Results of measurements

coordinates of $\lambda = 3^\circ.57$ and $\phi = 2^\circ.98$. The results of observations are shown in Fig. 2, as a frequency distribution of the quantity $t_E - t_T$ in 10-μsec class intervals (t_E and t_T are the experimental and calculated times, respectively, required by a signal to complete the round trip). The signal-to-noise ratio was ~ 5 and the mean of the useful signal was found to be distributed within the 15—20 μsec class boundary, with a standard deviation of 1.2×10^{-6} sec. The total error in positioning the distribution center was 21.3×10^{-6} sec, which corre-

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ACC NR: AP6010439

sponds to 200 m error in the measurement of distance. Orig. art. has:
2 figures. [YK]

SUB CODE: 20/ SUBM DATE: 22Jan66/ ORIG REF: 002/ OTH REF: 001

ATD PRESS: 4229

Card

414 BK

LOBANOV, V.I.; GUMENYEV, V.I.; ZHUKOV, V.I.

Examination of gunpowder grains in medicolegal practice.
Sod.-med. expert. 7 no.3:7-11 31-3 1981.

(XHA 17:10)

ACC NR: AP6019595

SOURCE CODE: UR/0293/66/004/003/0414/0426

AUTHOR: Kokurin, Yu. L.; Kurbasov, V. V.; Lobanov, V. P.; Mozhzherin, V. M.; Sukhanovskiy, A. N.; Chernykh, N. S.

ORG: none

TITLE: On the feasibility of measuring lunar disk and orbital parameters by optical radar

SOURCE: Kosmicheskiye issledovaniye, v. 4, no. 3, 1966, 414-426

TOPIC TAGS: lunar albedo, moon, laser application

ABSTRACT:

Yu. L. Kokurin and coworkers [1] have reviewed the theoretical problems in laser ranging of the moon, with the object of determining more accurate values for several Earth-Moon parameters. The authors discuss methods for 1) obtaining a more detectible reflection signal and 2) using the measured range to compute such parameters as mean lunar orbital radius, lunar disk radius, parallax constant, and Earth equatorial radius.

The basic range equation for a reflected electromagnetic signal is taken as a starting point. The factors are the same as in the radar range equation, except that the return signal varies inversely as the square, rather than as the fourth power, of range, since it is assumed that all the generated laser flux is incident on the Moon. Using an average figure for atmospheric absorption, a lunar albedo of 0.1, and an effective telescope area of 5.3 m^2 (actual area of a telescope currently in use), the authors calculate

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UDC: 523.31.082.5 + 521.61.082.5

ACC NR: AP6019595

that the relationship between reflected and transmitted energy is

$$W_{\text{refl}} \approx 2 \times 10^{-19} W_{\text{tr.}}$$

It follows that with the highest sensitivity photodetectors now available, W_{tr} must be at least 150 joules in order to obtain from the Moon a consistently detectable reflection, i. e., one that does not require statistical analysis to be detected. The pulse must be as short as possible to maximize range resolution; however, present laser pulses of the energy level demanded would have durations of the order of milliseconds, which means a range uncertainty of several hundred kilometers. If Q-switching is used to shorten pulse time, there is an intolerable loss in power amplitude. The conclusion is that only when more powerful short-pulse lasers are developed can there be a significant refinement in lunar ranging measurements.

Factors which degrade the laser technique are also discussed. One of these is the unavoidable divergence of the beam in the atmosphere, estimated at 2" to 3", which would give a lunar spot of some 3.5-5 km across. Contour irregularities within the illuminated area can add to the range uncertainty in the return signal, in the form of range "smear." Owing to the Moon's curvature, a similar effect occurs which increases as a function of

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ACC NR: AP6019595

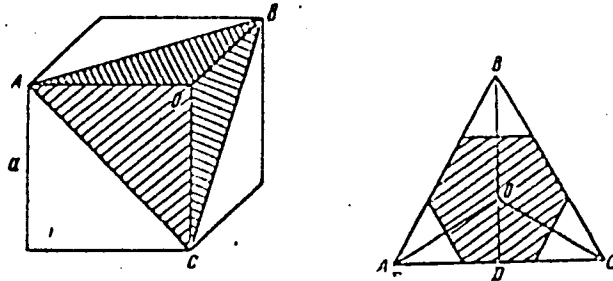
the distance of the target area from the center of the lunar disk. An obvious way to improve the technique would be to place some form of mirror on the Moon; the authors propose an optical corner reflector for this purpose (see Fig. 1) and have analyzed ways of optimizing its design. With the density of the reflector material assumed to be the limiting factor, it is shown that one large reflector is more effective than several small ones. For a glass corner reflector, the gain β in return signal over that from the lunar surface alone (assuming a ruby laser) is calculated to be $\beta = 2.15 \times 10^{-3} a^4$, where a is the length of a joint edge in cm. (see Fig. 1). Assuming a glass density of 2.7 g/cc, the authors find values of gain ranging from $\beta = 25$ for $a = 10.4$ cm up to $\beta = 1330$ for $a = 28.2$ cm. Some loss in reflectivity

Fig. 1. Corner reflector (Hexagon indicates effective reflective area)

must be anticipated, such as by dust contamination, so the foregoing figures are based on a reflection coefficient of only 0.5.

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ACC NR: AP6019595



Orientation of the reflector would be critical. If the plane of the aperture is not nearly normal to the laser beam, a severe loss in return signal results; for example, a 15° offset would mean a signal loss of approximately 30% (Initial acquisition of the reflector is not discussed). Constraints on reflector geometry are also quite severe, if diffraction losses are to be minimized. For a reflector with $a = 14$ cm, it is estimated that the angular tolerance between adjoining planes should be held within 0.1° ; with such tight tolerances, temperature extremes and mechanical stresses could be

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ACC NR: AP6019595

critical factors in reflector performance. Under reasonably good conditions, however, it is calculated that a reflector with $B = 40$ would return an adequate detectable signal to Earth from a Q-switched ruby laser of 4 to 5 joules output.

The possibility of confusing a genuine signal with noise or surface rather than reflector return can be minimized by using multiple detection and correlating the results. In fact, if three photomultipliers are used simultaneously, the experiment could be performed in daylight, with a low probability of error.

The authors conclude by giving the procedures for calculating mean lunar orbital radius (mean distance between Earth and Moon mass centers), radius of the lunar disk, Earth equatorial radius, and Earth-Moon parallax constant. All of these are obtainable from knowledge of an arbitrary line-of-sight distance from the Earth to the Moon, measured as described above. The calculations show that, with the improved ranging method, parameters such as the Moon's orbital radius and disk radius could be determined to accuracies of several hundreds of meters, a great improvement over the present accuracy of several kilometers. Unfortunately, these accuracy figures do not seem to be tied to any tolerance on the range measurement.

FSB: v. 2, no. 9 / Orig. art. has: 33 formulas, 2 figures and 1 table.
Card 5/5 SUB CODE: 03,20 / SUBM DATE: 26May65 / ORIG REF: 009 / OTH REF: 003

LOBANOV, Valentin Ivanovich; KULAKOV, N., redaktor; SHVYDKO, Z., redaktor;
OYSTRAKH, V., tekhnicheskikh redaktor

[Mining organization in mine No.18-bis] Opyt organizatsii prokhodki
gornykh vyrabotok na shakhte No.18-bis. Alma-Ata, Kazakhskoe gos.
izd-vo, 1956. 15 p. (MLRA 9:10)

1. Glavnyy inzhener shakhty No. 18-bis kombinata "Karagandaugol"
(for Lobanov)
(Coal mines and mining)

LCBANOV, V.I.

~~SECRET~~

Prolonging the life of railroad ties and beams. Zhel.dor.transp.
37 no.1:83 Ja '56. (MLRA 9:3)
(Railroads--Ties)

LOBANOV, V.I.

Electric dispatcher-control apparatus. Zhel.der.transp.37 no.4:
84 Ap '56. (Railroads--Electric equipment) (MIRA 9:7)

LOBANOV, V.I.

Results of negligence. Put' 1 put. khoz. no. 7:39-40 J1 '58.

(MIRA 11:7)

(Railroads--Accidents)

(Railroads--Maintenance and repair)

LOBANOV, V.I.

Lost millions. Put' 1 put.khoz. no.1:38-39 Ja '59.
(HIRA 12:2)
(Railroads--Switches)

LOBANOV, V.I.(Perm')

Where track workers are formed. Put' 1 put.khoz. 4 no. 5:41-42
My '60. (MIRA 13:11)

(Perm'--Railroads--Employees)

LOBANOV, V.I.

New developments in the laying of long rail lengths. Put' 1
put.khoz. 5 no.6:4-5 Je '61. (MIRA 14:8)
(Railroads--Tracklaying machinery)

LOBANOV, V.I.

Detection of thiopental sodium and certain derivatives of barbituric acid. Zhur.anal.khim. 19 no.10:1274-1276 '64.

(MIRA 17:12)

LOBANOV, V.I., voyennosluzhashchiy

Quick qualitative analysis of pyramidon-analgin mixtures. Farmatsev.
zhur. 17 no.5:26-27 '62. (MIRA 17:9)

LOBANOV, Viktor Ivanovich; LIVSHITS, Ya.L., red.; NAZAROVA, A.S.,
tekh. red.

[Class struggle in capitalist countries]Klassovye bitvy v
stranakh kapitala. Moskva, Izd-vo "Znanie," 1962. 46 p.
(Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhdunarod-
naya, no.21) (MIRA 15:11)
(Labor and laboring classes)

LOBANOV, V.I.

Forensic chemical detection of barbiturates by their conversion
to isonitrosobarbituric acid. Sud.-med.ekspert. 5 no.4:42-46
O-D '62. (MIRA 15:11)
(BARBITURATES) (CHEMISTRY, FORENSIC)

LOBANOV, V.I.

Color reactions for barbamil, luminal and evipan sodium. Apt.
delo 12 no.3:66-67 My-Je '62. (MIRA 16:1)
(AMOBARBITAL) (PHENOBARBITAL) (HEXOBARBITAL)

LOBANOV, V.I.

Colorimetric determination of barbiturates by the intensity of
violuric acid staining; veronal example. Sud.-med.ekspert. 6
no.1:39-44 Ja-Mr. '63. (MIRA 16:2)
(CHEMISTRY, FORENSIC) (COLORIMETRY) (BARBITURATES)

REV. 7.1.

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phenobarbital and some other pharmaceutical preparations. (Pb.)
Sol: 10 mg/ml in 0.1M HCl. (MIRA 1984)

LOBANOV, V.I.

Group reaction for determining sodium salts of barbiturates.
Farmatsev. zhur. 18 no.4:51-54 '63. (MIFA 17:7)

SMIRNOV, G.N., kandidat tekhnicheskikh nauk; KUTANIN, A.F.; ZAYCHIKOVA, V.A.;
LOBANOV, V.I., retsentsent.

[Safety measures and industrial sanitation in flax mills] Tekhnika bezopasnosti i promyshlennaya sanitariia na l'nozavodakh. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva promyshlennykh tovarov shirokogo potrebleniia SSSR, 1953. 114 p. (MLRA 7:6)
(Flax) (Textile industry--Safety measures)

SMIRNOV, P.A.; LOBANOV, V.I.; MIKHAYLOV, P.M.; NEVEDOMSKAYA, A.V.

Wetting raw materials in flax and hemp mills. Tekst.prom.16 no.4:
20-22 Ap. '56. (Hemp) (Flax) (MIRA 9:7)

GDAASHIN, Vasily Timofeyevich; ANTIPOV, Andrey Vasil'yevich [deceased];
LOBANOV, Viktor Ivanovich; SHARIKOV, I.M., retsenzent; GUSEVA, Ye.M.,
redaktor, ~~1957. 1.13.~~, tekhnicheskii reaktor

[Installing and servicing scutching and hackling devices in flax
and hemp mills] Ustroistvo i obsluzhivanie mial'no-trepal'nykh i
kudelaiprigotovitel'nykh agregatov l'nozavodov i pen'kozavodov.
Moskva, Gos.nauchno-tekhn.izd-vo M-va legkoi promyshl. SSSR, 1957.
219 p. (MLA 10:10)

(Flax) (Textile machinery)

IOBANOV, V.I.

New braking machine used for processing long-stalk hemp. Tekst.
prom. 18 no.6:10-12 Je '58. (MIRA 11:7)
(Textile machinery) (Hemp)

LOBANOV, V.I.; KARMANOV, V.A.

Improve the quality of hemp fiber. Tekst. prem. 19 no.6:16-20
Ja '59. (MIRA 12:9)

(Hemp)

LOBANOV, V.I., inzh.

New breaker-scutter unit. Tekst.prom. 21 no.1:12-14 Ja '61.
(MIRA 14:3)

(Flax processing machinery)

LOBANOV, V.I., starshiy inzh.; NADEL'SON, Ye.I.

Expand the resources of flax fiber. Tekst.prom. 21 no.9:5-8
S '61. (MIRA 14:10)

1. Soyuzglavlegpromsyrye pri Gosplane SSSR (for Lobanov).
2. Starshiy ekonomist Soyuzglavlegpromsyrye pri Gosplane SSSR
(for Nadel'son).

(Flax)

LOBANOV, V.I.

Dryers for wet retted flax. Tekst.prom. 22 no.6:32-35 Je
'62. (MIRA 16:5)

1. Starshiy inzh. Glavnogo upravleniya po mezhrespublikanskim
postavkam syr'ya dlya legkoy promyshlennosti pri Gosplane SSSR.
(Flax--Drying)

LOBANOV, V.I.

New dryer for flax tow. Tekst. prom 23 no.7:23-25 J1 '63.
(MIRA 16:8)

1. Glavnyy spetsialist po pervichnoy obrabotke lubyanykh volokon
Upravleniya pervichnoy obrabotki syr'ya Gosudarstvennogo komiteta
po legkoy promyshlennosti pri Gosplane SSSR.
(Drying apparatus) (Flax)

LOBANOV, V.I., voyennosluzhashchiy

New qualitative color reaction for hexenal. Farbatsev. zhur. 18 no.1:
49-51 '63. (MIRA 17:10)

LOBANOV, V.I.

Determination of alcohol in the blood by the fermentative method.
Sud.-med. ekspert. 7 no.4:32-34 O-D '64 (MIRA 18:1)

LOBANOV, V.I.

Use of plastic films in pharmaceutical and laboratory practice.
Apt. delo 13 no.5:61-63 S-0 '64. (MIRA 18:3)

LOBANOV, V.I.

Photocolorimetric method for the determination of hexenal.
Farmatsev.zhur. 20 no.6:30-33 '65.

(MIFA 19:1)

1. Submitted February 10, 1965.

LOBANOV, V.I., voyennosluzhashchiy

Effect of the solubility of ether in water and of other factors in
the loss of barbital during its isolation from aqueous solutions.
Farmatsev.zhur. 19 no.1:55-58 '64.

(MIRA 18:5)

LOBANOV, V.I.

Photocolorimetric method for the determination of sodium
thiopental. Apt. delo 14 no.6:51-53 N-D '65.

(MIRA 18:12)

1. Submitted February 22, 1964.

LOBANOV, V.I.

Detection of 5-(1-methylbutyl)-5-ethylthiobarbituric acid
and its sodium salt. Zhur. anal. khim. 20 no.8:881-882 '65.
(MIRA 18:10)

LOBANOV, V.I.

Microcrystalloscopic reactions for the detection of some
derivatives of barbituric acid. Zhur. anal. khim. 21 no. 1:
110-112 '66 (MIRA 19:1)

LOBANOV, V.K., Inzh.

Trimming dies with spring buffers. Mashinostroenie no. 5839-11
3-0 '62 (MIRA 1882)

YEVSTRATOV, V.K., inzh.; IOBANOV, V.K., inzh.

Forging in a closed die with a spring compensator.
Mashinostroenie no.348-49 My-Je '65.

(MIRA 18:6)

L 38686-66 ENT(d)/EWT(m)/ENP(f)/ENP(c)/ENP(v)/ENP(t)/ETI/ENP(k)/ENP(h)/ENP(l)
 ACC NR: AP6017659 IJP(c) JD SOURCE CODE: UR/0117/66/000/002/0033/0033
 AUTHOR: Sozinov, A. I.; Zaytsev, V. I.; Lobanov, V. M.
 ORG: None
 TITLE: Milling solids of revolution with a heated cutting zone
 SOURCE: Mashinostroitel', no. 2, 1966, 33
 TOPIC TAGS: lathe, hot machining, body of revolution, stress distribution, titanium alloy, cutting tool, shaft, heating
 ABSTRACT: The authors describe a method for reducing cutting stresses in end milling round forgings made of titanium alloys on standard lathes. Preliminary heating and softening of the forgings was part of the cutting process. A diagram is given showing the lathe, mill, forging and heating devices. Blanks made of VTZ-1, VT-5 and VT-8 alloys 60-100 mm in diameter and 1000 mm long, are machined by end mills 130 mm in diameter. The cutters are reinforced with VK8 hard alloy. The parameters for the cutting part of the end mill are given. The optimum time for the operation is 60 minutes, and the heating temperature is 500-550°C. The maximum cutting speed is 60 m/min and the depth of cut is 3-4 mm. A formula is given for calculating principal time which shows that the new method increases productivity by a factor of 2.6. End milling solids of revolution with cutting zone heating is very efficient in machining the skin off long shafts of large diameter with nonuniform marginal allowances. Orig. art. has: 1 figure, 1 formula.
 SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000
 UDC: 621.914-436
 Card 1/1

LOBANOV, V. N.

Safety measures in rural electrical installations. Moskva, Gos. izd-vo selkhoz lit-ry,
1949. 55 p. DA

SA

621.316.727 : 658.8.03

121. Tariff measures in the struggle for increase of power factor. V. N. LOBANOV; I. M. KAMEN. *Elektrichestvo, No. 7, 54-8 (July, 1958) in Russian.*

Faults of the present tariffs are pointed out and recommendations are made for reckoning the basic charges on the max. kVA load occurring during the accounting period, as measured by corresponding meters on the consumer's premises, instead of on the nominal kVA rating of his distribution transformers. Discounts and surcharges should be changed to stimulate the attainment of the optimum p.f. for the system instead of unity, which may be above the optimum. Such tariffs should be based on the additional expenditure caused by low p.f., instead of being mere sanctions. Kamen shows that variation of surcharges and discounts with p.f. in a given range is actually a system of charging for reactive power. With p.f. between 0.4 and 0.75 reactive power at current rates works out to be at several times the price of active power (instead of about 50%), leading to reductions of total charges by increase of active load or by synchronization of asynchronous motors. Charges for reactive power as measured by meters are more rational.

J. LUKASZEWICZ

A58-55A METALLURGICAL LITERATURE CLASSIFICATION

SIGNATURE
SERIALS ONE TWO

LOBANOV, V. N.

Elektromekhanik Sel'skikh Elektroustanovok (The Electrician for Rural Installations,
by) V. N. Lobanov, N.A. Sazonov, V. F. Vorob'yev (1 Dr.) Moskva, Trudrezervizdat,
1954.

399 P.

SO: N/5
663.3
.L7

LOBANOV, Vasily Nikiforovich; ANTIK, I.V., redaktor; SAMOYLOVA, N.A.,
redaktor; KIRSANOVA, N.A., tekhnicheskiy redaktor.

[Electric safety engineering in agriculture] Elektrobezopasnost' v
sel'skom khoziaistve. [Moskva] Izd-vo VTsSPS Profizdat, 1955. 137 p.
(Electricity in agriculture--Safety measures) (MLRA 9:4)

~~LOBANOV, Vasilii Nikiforovich~~, SAZONOV, Nikolay Alekseyevich; VOROB'YEV,
Vasilii Fedorovich; BEYLIS, Mikhail Yefimovich; GILINSKIY, Iosif
Abramovich, ~~ENTIN~~, Isaak Arkad'yevich; KOPTEVSKIY, D.Ya., redaktor;
RAKOV, S.I., tekhnicheskii redaktor

[Rural electrician] Elektromekhanik sel'skikh elektroustanovok.
Moskva, Vses.uchebno-pedagog.izd-vo Trudreservizdat, 1957. 454 p.
(Electric engineering) (MLRA 10:9)

LOBANOV, Vasilii Nikiforovich; SAZONOV, Nikolay Alekseyevich; BEYLIS, Mikhail Yefimovich; GILINSKIY, Iosif Abramovich; ENTIN, Issak Arkad'yevich; VOROB'YEV, V.F., nauchnyy red.; SERZBERINNIKOVA, L.A., red.; DEMINA, G.A., red.; ISHKHANOV, V.S., red.; TOKER, A.M., tekhn.red.

[Electrician of rural electrical systems] Elektromekhanik sel'skikh elektronustanovok. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1960. 548 p. (MIRA 14:1)

(Electricians--Handbooks, manuals, etc.)

(Electric power distribution)

LOBANOV, Vasilii Nikiforovich; MEL'NIKOVA, G.P., red.; DORODNOVA,
L.A., tekhn. red.

[Safety measures in work on rural electric power systems]
Tekhnika bezopasnosti pri rabote na sel'skikh elektro-
ustanovkakh. Moskva, Proftekhizdat, 1962. 67 p.
(MIRA 15:9)

(Rural electrification--Safety measures)
(Electric power distribution--Safety measures)

LOBANOV, Vasilii Nikiforovich; SAZONOV, Nikolay Alekseyevich
[deceased]; BEYLIS, Mikhail Yefimovich; GILINSKIY, Iosif
Abramovich; SOLODENIKOVA, G.A., nauchn. red.; SHALYT,
N.A., red.

[Electrician of rural electrical systems] Elektromekhanik
sel'skikh elektroustanovok. [By] V.N.Lobanov i dr. Izd.4.,
ispr. i dop. Moskva, Vysshaia shkola, 1964. 418 p.
(MIRA 17:5)

LOBANOV, V. N.

"The Significance of the Nervous System in the Pathogenesis of Botkin's Disease," Avtoreferaty Dokladov 19-y Nauchnoy Sessii Saratovskogo Gosudarstvennogo Meditsinskogo Inst. (Authors' Abstracts of Reports Presented at the 19th Scientific Session of the Saratov State Medical Institute), Saratov, 1952, pp 87,88.

LOVY, V. V.

Vladimir Nikolayevich

"Pathological Anatomy and Pathogenesis of Botkin's Disease in Children."
Dr Med Sci, Kuybyshev State Medical Inst, 1st Health DEPT, Kuybyshev, 1954.
(Kb, No 2, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (14)

LOBANOV, Vladimir Nikolayevich; ROGOV, A.A., redaktor; SENCHILO, K.K.,
~~tekhnicheskiiy redaktor~~

[Pathological anatomy and pathogenesis of plague in man] Patologi-
cheskaya anatomiya i patogenez chumy u cheloveka. Moskva, Gos.
izd-vo med. lit-ry, 1956. 175 p. (MLRA 9:10)
(PLAGUE)

LOBANOV, V.N.; YERKHOV, I.S. (Saratov)

Problem of primary neoplasms of the heart. Arkh. pat. 19 no.1:74
'57 (MLRA 10:4)

1. Iz Nauchno-issledovatel'skogo instituta mikrobiologii i
epidemiologii Yugo-Vostoka SSSR.
(MYXOMA, case reports,
heart)
(HEART, neoplasms,
fibromyxoma, case reports)

LOBANOV, V.N. (Saratov)

Pathological anatomy of experimental plague in camels. Arkh.pat.
21 no.7:37-43 '59. (MIRA 13:5)

1. Iz Saratovskogo gosudarstvennogo instituta mikrobiologii i
epidemiologii Yugo-Vostoka SSSR (dir. D.G. Savostin)
(PLAGUE experimental)

SHVARTS, L. S., prof.; LOBANOV, V. N.; LEBEDEVA, Z. G.; YUDANOVA, L. S.

Changes of the myocardium in Botkin's disease. Terap. arkh. no.9:
71-78 '61. (MIRA 15:2)

1. Iz kafedry gosital'noy terapii (zav. - prof. L. S. Shvarts)
lechebnogo fakul'teta Saratovskogo meditsinskogo instituta.

(HEPATITIS, INFECTIONS) (HEART—DISEASES)

NIKOLAYEV, N.I., otv. red.; LENSKAYA, G.N., zam. otv. red.; PASTUKHOV, B.N., zam. otv. red.; FENYUK, B.K., zam. otv. red.; ISHUNINA, T.I., red.; AKIYEV, A.K., red.; DOMARADSKIY, I.V., red.; DROZHEVKINA, M.S., red.; ZHOVTYY, I.F., red.; KORGEKOVA, Ye.I., red.; KRAMINSKIY, V.A., red.; KRATINOV, A.G., red.; LEVI, M.I., red.; LOBANOV, V.N., red.; MIRONOV, N.P., red.; PETROV, V.S., red.; PLANKINA, Z.A., red.; PYPINA, I.M., red.; SMIRNOV, S.M., red.; TER-VARTANOV, V.N., red.; TIFLOV, V.Ye., red.; FEDOROV, V.N., red.; PARNES, Ya.A., red.; PRONINA, N.D., tekhn. red.

[Especially dangerous natural focus infections] Osobo opasnye i prirodnouchagovye infektsii; sbornik nauchnykh rabot protivochumnykh uchrezhdenii. Moskva, Medgiz, 1962. 271 p.

(MIRA 16:5)

(COMMUNICABLE DISEASES)

KOROBKOVA, Ye.I.; LOBANOV, V.N.; KUZNETSOVA, O.R.

Stabilization of the immunogenic properties of the Girard and Robik EV strain. Report No. 3: Effect of passage through the animal body and the significance of selection of individual colonies in immunogenicity of the EV strain. Zhur. mikrobiol., epid. i imm. 41 no. 2:16-21 F '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy protivochumnyy institut "Mikrob".

LOBANOV, Vitaliy Nikolayevich; CHERNIKOV, Dmitriy Aleksandrovich; LANINA,
L.I., red.; NAZAROVA, A.S., tekhn. red.

["Vostok-2" is in space; story on the spaceflight of astronaut
G.S.Titov] V kosmose - "Vostok-2"; rasskaz o polete vo vselennuiu
letchika-kosmonavta G.S.Titova. Moskva, Izd-vo "Znanie," 1961.
47 p. (Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i
nauchnykh znaniy. Ser.10, Molodezhnaya, no.18) (MIRA 14:9)
(Astronautics) (Titov, German Stepanovich, 1935-)

EO

0.1 LOBANOV, V.P.

Viscous-plastic properties of building solutions V. P. Lobanov (Eng. & Econ. Inst., Moscow). *Kolloid Zh.* 12, 352 (1950). The yield point θ (dynes/cm. sec.) and the plastic viscosity η (g./cm. sec.) were detd. in a rotational viscometer for several lime, mortar, and cement suspensions. E.g., Ca(OH)₂ suspensions contg. 48, 48, and 54% H₂O had θ of 820, 580, and 440, and η of 20, 25, and 22, resp. Both θ and η were about twice as great 15 days after mixing as 2 days after mixing; thus it appears possible to det. the age of a lime suspension from its θ and η . The mixt. of cement:lime:sand = 1:1.6 by vol. contg. 11% H₂O, had θ = 700 and η = 60; and increase of H₂O content to 13.5% lowered θ to 300 and η to 24. J. J. Bikerman

ICBANOV, V. P.

"Conveyance of Mortar Through Pipes in the Area of a Building Site."
Sub 23 Mar 51, Moscow Engineering Economics Inst imeni Sergo Ordzhonikidze

Dissertations presented for science and engineering degrees in Moscow
during 1951.

SC: Sum. No. 480, 9 May 55

LOBANOV, V. P.

LOBANOV, V. P. -- "Thermal Characteristics of Steam Turbines and Experimental Methods of Obtaining Them." Sub 10 Nos 2, All-Union Order of Labor Red Banner Heat Engineering Sci Res Inst Leningrad P. I. Dzerzhinskiy. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January-December 1952

Lobanov, V. P.

AID P - 2549

Subject : USSR/Engineering

Card 1/1 Pub. 110-a - 1/13

Author : Lobanov, V. P., Kand. Tech. Sci.

Title : ~~Experimental determination of thermal efficiency of~~
various stages of steam turbines

Periodical : Teploenergetika, 3, 3-9, Je 1955

Abstract : The article describes a method for experimenting with thermal efficiency stages of topping turbines of the VK-100-2 type. The author's detailed description of tests on the regulating stage and successive high pressure stages is illustrated with tables and curves. Six diagrams.

Institution: All-Union Heat Engineering Institute

Submitted : No date

LOBANOV, V. P. Masters of Science, KOT, A. A. Master of Science

"Formation of Deposits on Steam Turbine Blades and Its Influence on the Efficiency of the Turbines," paper presented at the 5th World Power Conference, Vienna, 1956

In Branch # 5